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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/600,174	06/20/2003	Steven A. Gronemeyer	SIRF.P216.US.C1	9737
7590	03/10/2004		EXAMINER	
Shemwell Gregory & Courtney LLP Suite 201 4880 Stevens Creek Blvd. San Jose, CA 95129			TO, TUAN C	
			ART UNIT	PAPER NUMBER
			3663	

DATE MAILED: 03/10/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/600,174	GRONEMEYER, STEVEN A.
	Examiner Tuan C To	Art Unit 3663

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### **Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

1)  Responsive to communication(s) filed on 20 June 2003.

2a)  This action is **FINAL**.                            2b)  This action is non-final.

3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## **Disposition of Claims**

4)  Claim(s) 1-28 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5)  Claim(s) 1-5 and 24-28 is/are allowed.

6)  Claim(s) 6,7,13-17,19 and 20 is/are rejected.

7)  Claim(s) 21-23, 8-12, and 18 is/are objected to.

8)  Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

9)  The specification is objected to by the Examiner.

10)  The drawing(s) filed on 20 June 2003 is/are: a)  accepted or b)  objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a)  All    b)  Some \* c)  None of:  
1.  Certified copies of the priority documents have been received.  
2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1)  Notice of References Cited (PTO-892)  
2)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 06/20/03.

4)  Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_

5)  Notice of Informal Patent Application (PTO-152)

6)  Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Specification***

The applicant's specification has been objected because the "Related Applications" section does not include the current issue of the application 10/021,119.

### ***Claim Objections***

Claims 21-23 are objected to because of the following informalities: In claim 21, line 3, the applicant use the articles "the" and "a" in the claim. Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

Claims 6, 7, 13-17, 19, and 20 are rejected under 35 U.S.C 102(b) as being anticipated by King et al. (US 5893044).

Claims 6 and 7: With respect to the subject matter of claim 6, the reference to King et al. discloses every and each element of said claim. King et al. basically disclose a GPS clock that is calibrated to GPS time when the GPS receiver system is navigating using GPS satellite data, wherein the GPS clock is configured to be turned off when the

GPS receiver system is not navigating (see abstract, column 5, lines 22-56), and a real time clock that uses lower power than the GPS clock, and said RTC keeps time when the GPS is turned off (see column 5, lines 22-56). King further discloses a ripple counter (38), a asynchronous counter, for dividing the low power oscillator frequency signal (40) down to a 1 Hz signal (See figure 2), and also a flipflops (32) in order to detect the loss of RTC clock cycles (see column 4, lines 57-67; column 5, lines 1-21).

Claims 13-17, 19, and 20: With respect to the subject matter of claim 13, the reference to King et al has been cited as teaching all of the elements of said claim. King et al. basically disclose a GPS clock that is calibrated to GPS time when the GPS receiver system is navigating using GPS satellite data, wherein the GPS clock is configured to be turned off when the GPS receiver system is not navigating (see abstract, column 5, lines 22-56), and a real time clock that uses lower power than the GPS clock, and said RTC keeps time when the GPS is turned off (see column 5, lines 22-56). King further discloses a ripple counter (38), a asynchronous counter, for dividing the low power oscillator frequency signal (40) down to a 1 Hz signal (See figure 2), and also a flipflops (32) in order to detect the loss of RTC clock cycles (see column 4, lines 57-67; column 5, lines 1-21).

#### ***Allowable Subject Matter***

Claims 1-5 and 24-28 are subject to be allowed because none of the prior art of record a brownout detection circuit is configured to output an RTC status signal that indicates a loss of RTC clock cycles above a predetermined threshold.

Claims 8-12, and 18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Conclusions***

The prior art made of record, which are listed in PTO-892, and not relied upon are considered pertinent to applicant's disclosure includes the following: Vanderspool, II et al. (U.S '263A), Hasegawa (U.S '316A1), Kawai (U.S '094A1), and Bickley et al. (U.S '322A).

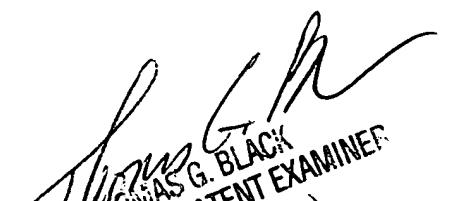
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan C To whose telephone number is (703) 308-6273. The examiner can normally be reached on from 8:00AM to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black can be reached on (703) 305-8233. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 305-7687 for regular communications and none for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1113.

/tc

March 4, 2004



THOMAS G. BLACK  
SUPERVISORY PATENT EXAMINER  
GROUP 3663